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Database : GER**Patent Number :** 29906389**Patent date:** 1999-06-17**Title :** MEHRSCHICHTIGER TEXTILER BAUSTOFF

Exemplary Claim(s) : the B2-Building material class to be reached. With use of thermoplastic plastics, which form a kohlenstoffgeruest in the case of fire, as acrylonitrile-polymers and acrylonitrile-copolymers and Polyimide, 20 fulfill the textilen building materials according to invention also to so-called charcoals-would burn, i.e. on the textilen building material leads and produces resting upon burning or glowing charcoal not to burning the textilen building material also no holes in this. Beyond that the multilevel textilen building materials are steady to fats, oils, water, weak acids, weak caustic solutions. With employment to the plastics of the layers of selected covering means good adhesion of the group are attainable accordingly, whereby 40 to 60 N/5 cm adhesion in the group is well attainable. The multilevel textilen building materials according to invention are equipped flame-restraining using blowing graphite. * , * * a * I * * * * i . : . * Ae * 2. i i thermal expandable fire protection masses for fire-protecting sealing and/or bulkheading of openings, for example joints containing in walls, wall break-throughs etc., blowing graphite, are for example well-known from the DE 41 35 678 A1. Blowing graphites are manufactured by conversion of graphite with smoking nitric acid or concentrated sulfuric acid by storage by NOx and/or SOx into the interlattice levels of the graphite, as for example in the GB-HP of 1497118 described. Blowing graphite is likewise used according to invention in particle form with a partial size smaller 800/zm preferentially, whereby the blowing graphites flake form exhibits. That blowing graphite is planned in 15 connection with a covering means, which at the same time manufactures the group between the individual layers and to the blowing graphite, according to invention as intermediate layer or covering layer in the textilen multilevel building material. As covering means are applicable both solvent adhesives, and detention adhesives, and emulsion bonding

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